

**JP-5 FILTER SEPARATOR TRAINER, DEVICE 2H129****TRAINING CATEGORY:**

AVIATION (Aircraft Fueling Equipment)

**ORIGINATING AGENCY:**

DCNO/AIR

**SECURITY CLASSIFICATION:**

Device 2H129 is unclassified.

**PURPOSE:**

To demonstrate the coalescing and separating stages of a jet fuel filter separator. A pump circulates JP-5 through the filter/separator from a 200 gallon holding tank. The water separated from the fuel flows into a 10 gallon drain tank. Automatic water dump and fuel cutoff are provided.

**INTENDED USE:**

In Aviation Boatswain's Mate Fuel School for classroom training of enlisted personnel with varying degrees of proficiency in operation and maintenance of the 2000 GPM JP-5 Aviation Fuel/Water Filter/Separator.

**FUNCTIONAL DESCRIPTION:**

The trainer is a reduced scale working model of a JP-5 Aviation Fuel/Water Filter Separator, Model VFCS-5813T2-13415-C as manufactured by Facet Enterprises, Inc. The model is designed as a two stage vertical filter separator. The trainer and all other associated equipment is mounted on a steel framework complete with rubber tired casters. The system circulates contaminated JP-5 from a holding tank through the filter separator to remove water and solids. Cleaned fuel is returned to the 200 gallon holding tank. The solids are retained in the separator filter/coalescer cartridges and water is automatically drained into the drain tank. The unit is complete with interconnecting piping, valving and instrumentation.

**PHYSICAL INFORMATION:**

**Number of Pieces:** One (1) Stand Assembly

**Size:** 73" High x 34" Deep x 108" Long

**Weight - Empty:** 1,289 lbs..

## DIRECTORY OF NAVAL TRAINING DEVICES

## POWER REQUIREMENTS:

120 VAC, 60 Hz, 10 amp capacity outlet

## PUBLICATIONS FURNISHED:

Operations and Maintenance Guide, JP-5  
Filter Separator Trainer, Device 2H129,  
NAVTRASYSCEN, P-5353-10 (U).

## PERSONNEL:

**Instructor:** One (1), Chief or 1st Class PO  
graduate of Aviation Boatswain's  
Mate Fuel School with actual ex-  
perience onboard an aircraft  
carrier.

**Operator:** Instructor-Operated.

**Trainees:** Class of up to 50

**Maintenance:** One (1) hour per 100 hour utili-  
zation. (Approximately every 2  
months of use)

## CONTRACT IDENTIFICATION:

Manufactured by United Scale Models  
Southwest, Inc., Houston, TX under NAVTRASYSCEN,  
Orlando, FL Contract No. N61339-86-C-  
0136.

## LOCAL STOCK NUMBER:

6910-LL-C00-6849